

4.3.10 Powder River County

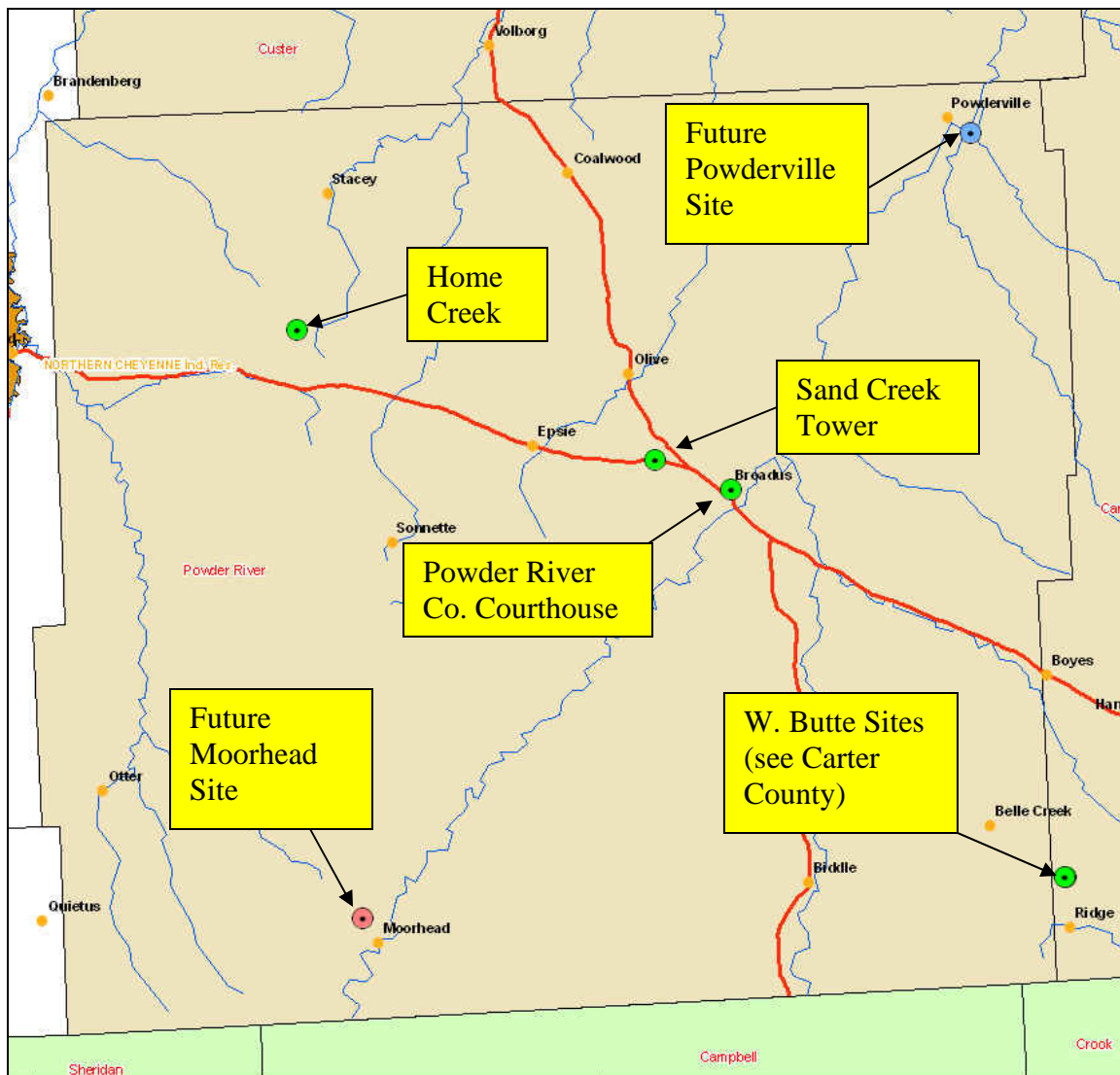


Figure 54 – Powder River County Antenna Sites



Site Name: Home Creek

No Picture.

Area: Broadus, MT

Location: 25 m W of Broadus

Land Owner: USDA (Custer National Forest)

Ground Elevation: 4410'

Latitude: N46 36' 07.2"

Longitude: W105 56' 13.2"

Status: In Use

Rent: Varies

Tower Height:

Building Type: Block - Concrete

Building Size:

Approximate Space Used (%): 50

Primary Power:

Backup Power: None

Telephone Available? Yes

Tower Users: TRECO, Rosebud County Sheriff, Custer County Sheriff, Rowder River County Sheriff, FBI

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: East-Mont Communications

Completed Date: Jun-05

Tower Manufacturer: ROHN

Tower Model: 456

Tower Owner: TRECO

Age (Years):

Tower Type: Guyed

Fall Protection: None

Climbing Device: Tower Rungs - Steel Bars

Of Guy Wires:

Of Legs:

Leg Spacing:

Grounding System:

Other Towers Nearby?

Access In Summer:

Access In Winter: 4-wheel Drive

Criticality:

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:



Microwave Capable? Yes
Describe:

Radio 1:

Antenna Type:

Antenna Height:

Frequencies In Use:

User Agency: TRECO

Filter, Duplexer, Etc.:

P25? Unknown

Other:

Radio 2: Repeater w/ Link UHF Radio

Antenna Type:

Antenna Height:

Frequencies In Use:

User Agency: Custer Co. Sheriff

Filter, Duplexer, Etc.: Duplexer VHF & UHF

P25? No

Other:

Radio 3: Repeater

Antenna Type:

Antenna Height:

Frequencies In Use:

User Agency: Powder River Co. Sheriff

Filter, Duplexer, Etc.: Duplexer

P25? Yes

Other:

Radio 4: Motorola MSF5000 Repeater

Antenna Type:

Antenna Height:

Frequencies In Use:

User Agency: Rosebud Co. Sheriff

Filter, Duplexer, Etc.: Duplexer

P25? Unknown

Other:

Radio 5: Motorola MSF5000 Repeater

Antenna Type:

Antenna Height:

Frequencies In Use:

User Agency: FBI



Filter, Duplexer, Etc.:

P25? Unknown

Other:



Site Name: Powderville Repeater Site

No Picture.

Area: Powderville, MT

Location: Soldier's Mount

Land Owner: Ronnie Joe Schaeffer

Ground Elevation: 2960'

Latitude: W45 44' 40.5"

Longitude: W105 05' 14.6"

Status: Not Yet Built

Rent:

Tower Height: 40-50'

Building Type: Wood with metal siding

Building Size: 8x8

Approximate Space Used (%):

Primary Power: 120/240 single phase

Backup Power:

Telephone Available? No

Tower Users: Powder River Co.

Is Combiner Used And Describe: No

General Comments: Not yet built.

Survey Completed By: TAB Electronics

Completed Date: Jun-05

Tower Manufacturer:

Tower Model:

Tower Owner: Powder River County

Age (Years): New, August 2005

Tower Type: Wood Pole

Fall Protection: None

Climbing Device: Step Bolts

Of Guy Wires:

Of Legs:

Leg Spacing:

Grounding System: Multiple ground rods, all grounds bonded.

Other Towers Nearby?

Access In Summer: 2-wheel Drive

Access In Winter: 4-wheel Drive

Criticality: Critical

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable?



Describe:

Radio 1: Repeater

Antenna Type: PD 220

Antenna Height: 40-60'

Frequencies In Use: TX 154.830, RX 158.730

User Agency: Powder River Co.

Filter, Duplexer, Etc.:

P25? No

Other:

Site Name: Powder River County Courthouse



Area: Broadus, MT

Location: Downtown Broadus

Land Owner: Powder River County

Ground Elevation: 3029'

Latitude: N45 26' 39"

Longitude: W105 24' 28"

Status: In Use

Rent: County property

Tower Height: 40' pipe mast

Building Type: Brick

Building Size: Court House

Approximate Space Used (%):

Primary Power: 120/240

Backup Power: Generator. Allis Chalmers Diesel Electric System

Telephone Available? Yes

Tower Users: Powder River Co.

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: TAB Electronics

Completed Date: Jun-05

Tower Manufacturer:

Tower Model:



Tower Owner:
Age (Years):
Tower Type: Pipe
Fall Protection: None
Climbing Device:
Of Guy Wires: 3
Of Legs:
Leg Spacing:
Grounding System: None visible
Other Towers Nearby?
Access In Summer: 2-wheel Drive
Access In Winter: 2-wheel Drive
Criticality: Extremely Critical
Meets FCC OET 65?
Meets Antenna Loading?
Microwave In Use? No
Describe:
Microwave Capable? No
Describe:

Radio 1: Base
Antenna Type: Fiberglass Stick
Antenna Height: 40'
Frequencies In Use: 158.730, 154.830
User Agency: Powder River Co.
Filter, Duplexer, Etc.: None
P25? No
Other:

Radio 2: Base
Antenna Type: Fiberglass stick
Antenna Height: 30'
Frequencies In Use: 151.115, 156.105
User Agency: Powder River Co. Road Dept.
Filter, Duplexer, Etc.: None
P25? No
Other:

Radio 3: Base
Antenna Type: Open dipole
Antenna Height: 30'
Frequencies In Use: 122.8, 121.5
User Agency: Powder River Co. (Unicom)
Filter, Duplexer, Etc.: None



P25? No

Other:

Site Name: Sand Creek Tower



Area: Broadus, MT

Location: Highway 212, 5m NW of Broadus, MT

Land Owner: Craig Randall

Ground Elevation: 3490'

Latitude: N45 28' 25.8"

Longitude: W105 30' 05.2"

Status: In Use

Rent: \$250/year

Tower Height: 150'

Building Type: Wood frame

Building Size: 9x9

Approximate Space Used (%):40

Primary Power: 120/240 single phase

Backup Power: User-supplied batteries

Telephone Available? No

Tower Users: Powder River Co. Road Dept., Powder River Co. EMS

Is Combiner Used And Describe: No

General Comments:

Survey Completed By: TAB Electronics

Completed Date: Jun-05

Tower Manufacturer: Rohn

Tower Model: 256

Tower Owner: Powder River County



Age (Years):

Tower Type: Guyed

Fall Protection: None

Climbing Device: Tower Rungs - Steel Bars

Of Guy Wires: 15

Of Legs: 3

Leg Spacing: 12"

Grounding System: Multiple rods at base.

Other Towers Nearby?

Access In Summer: 2-wheel Drive

Access In Winter: 4-wheel Drive

Criticality: Critical

Meets FCC OET 65?

Meets Antenna Loading?

Microwave In Use? No

Describe:

Microwave Capable? No

Describe:

Radio 1: Repeater

Antenna Type: PD 220

Antenna Height: 150-170'

Frequencies In Use: TX - 151.115, RX - 156.105

User Agency: Powder River Co. Road Dept.

Filter, Duplexer, Etc.: WACOM WP639 4-cavity BPBR

P25? No

Other:

Radio 2: Base

Antenna Type: PD 220

Antenna Height: 118-140'

Frequencies In Use: 155.280, 155.340, TX - 158.880, RX - 155.025

User Agency: Powder River Co. EMS

Filter, Duplexer, Etc.: None

P25? No

Other:

Radio 3: UHF Link

Antenna Type: Yagi - 3 element

Antenna Height: 52'

Frequencies In Use: TX - 452.150, RX - 457.150

User Agency: Powder River Co. EMS

Filter, Duplexer, Etc.: Motorola T15107A, 4 cavity

P25? Unknown



Other: